

BAKALOV, D., dots

Academician Aleksander Vladimirovich Paladin. Prir i  
znanie 15 no.6:23-24 Je '62.

BULGARIA

BOZADZHIEVA, E., D. BAKALOV, and V. PAVLOVA, Departments of Internal Medicine (Katedra po Vutreshni Bolesti) and of Medical Chemistry (Katedra po Meditsinska Khimiya), Higher Medical Institute (Visshi Meditsinski Institut), Sofia.

"A Modification for the Simultaneous Determination of 17-Ketosteroids and 17-Ketogenic Steroid in Urine."

Sofia, Suvremenna Meditsina, Vol 14, No 3, 1963, pp 45-51.

Abstract: [Authors' Russian summary modified] The modification involves several methodological improvements permitting fast and accurate work, especially for the needs of clinical diagnosis. The basic principles of elimination have been established with new material on both ill and healthy persons, viz., the level of 17-ketogenic steroid in men on the average is twice that in women. The functional state of the suprarenals can be assessed on the basis of such studies, but repeated examination is 1/1/essential. Recent Soviet and Western sources.

BAKALOV, D.; LILOV, I.

Spectrophotometric study of penicillin-cystein interaction. Dokl.  
Bolg. akad. nauk 17 no.8:761-763 '64.

1. Submitted by Academician I. Kamenov.

BAKALOV, D.; MILOV, L.

Spectrophotometric study of penicillin-cystein interaction. Doklady  
DAN 17 no.8:761-763 '64.

1. Submitted by Academician I.Emanouiloff [Emanuilov, I.].

BAKALOV, D.

Systematic quantitative analysis of urine for copro- and uroporphyrins. Suvr. med. (Sofia) 16 no.7:409-412 '65.

1. Katedra po meditsinska khimii (rukovoditel - prof. Al. Spasov), Vissh meditsinski institut, Sofia.

1 33003-00

ACC NR: AP6023499

SOURCE CODE: BG/0016/65/000/007/0409/0412

AUTHOR: Bakalov, D.

ORG: Department of Medicinal Chemistry/headed by Prof. A. Spasov/, Medical College,  
Sofia (Katedra po meditsinska khimiya, VMI)

TITLE: Systematic urinalysis for copro- and uroporphyrins

SOURCE: Suvremenna meditsina, no. 7, 1965, 409-412

TOPIC TAGS: urinology, biochemistry

ABSTRACT: Detailed description of laboratory procedures for simultaneous analysis of urine for coproporphyrin III and for uroporphyrins I and III; reliability was confirmed in 13 healthy persons, 2 patients with congenital porphyria, 17 with lead poisoning. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 06 / SUBM DATE: 00Jun63 / ORIG REF: 001 / SOV REF: 001  
OTH REF: 015

Card 1/1

Bakalov, D. L.

127-58-5-15/30

AUTHORS: Bakalov, D.L., and Khobta, Ya.M., Mining Engineers - Electro-mechanics

TITLE: Automatic Water Pumping in an Open Pit (Avtomatizirovanny vodootliv na kar'yere)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 5, p 52 (USSR)

ABSTRACT: Two automatic pumping stations with a 55 to 60 m head were installed in the Dolomitnyy mine of the Yelenovka Mine Administration. The inflow of water is 100 or 120 cu m/hr for each. The "Zapadnaya" station was equipped with 3 pumps, 300 cu m/hour each, of the AYAP-3/300 type manufactured by the Laptevskiy Zavod (Laptev Plant) driven by 155-kw motors. The "Vostochnaya" station was equipped with 4 pumps, 360 cu m/hour each, of the 6NDV type driven by 80-kw motors. In 1957, both stations were automated using the circuit AVD-3 of the Konotopskiy Zavod (Konotop Plant). At present, both stations are operating smoothly. One electrician, instead of the 6 machinists needed before automation, attends them.

Card 1/2

Automatic Water Pumping in an Open Pit

127-58-5-15/30

There are 2 figures.

ASSOCIATION: Yelenovskoye rudoupravleniye (Yelenovka Mine Administration)

AVAILABLE: Library of Congress

Card 2/2      1. Mines    2. Water pumps-Application



BAKALOV, D.L., inzh.

Three-section portable ladder. Gor. zhur. no. 1:77 Ja '61.  
(MIRA 14:1)

1. Yelenovskoye rudoupravleniye, Dokuchayevsk, Stalinskoy obl.  
(Strip mining--Equipment and supplies)

BAKALOV, I.

Bakalov, I. Installing cables. p. 20. ELEKTROENERGIJA. Sofiya. Vol. 6, no. 6, June 1955.

SO: Monthly List of East European Accessions, (MEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

BAKALOV, I.

Training public instructors. Kryl.rod. 12 no.9:16 S '61.  
(MIRA 14:9)

1. Nachal'nik Vil'nyusskogo aviatsionno-sportivnogo kluba.  
(Lithuania--Gliding and soaring)

VICHEV, St., inzh.; BAKALOV, Iv., inzh.

Transportation of cement in bulk for building needs. Stroitelstvo  
9 no.4:1-3 J1-Ag '62.

1. Chlen na Redaktsionnata kolegiia, "Stroitelstvo" (for Vichev).

BAKALOV, I.L.; LALOVA, M.K.; TRIFONOV, A.; KOEN, R.

Observations on dysentery in infants. Suvrem. med., Sofia 5 no.7:  
58-71 1954.

1. Iz RNIP (direktor: dots. As.Fikov) I gradska detska bolnitsa,  
Sofia. (Gl. lekar: Buiuklieva) i RIEM (zam.-direktor po nauchnata  
chast: doktor po medin nauki D.Khadzhidimova)  
(DYSENTERY, BACILLARY, in infant and child,)

**BAKALOV, I.I.**  
~~BAKALOV, I.I.~~

Rectoromanoscopy in dysentery in children. Khirurgiia, Sofia 7  
no.10:618-622 1954.

1. Iz Republikanskia nauchno-issledovatel'ski institut po pediatrii,  
direktor: dots. A. Fikov.

(DYSENTERY, in infant and child,  
ractoromanoscopy in)

(ENDOSCOPY,

ractoromanoscopy in dysentery in child.)

BAKALOV, I.L.

~~Coprologic~~ diagnosis of dysentery. Suvrem.med., Sofia 6 no.5:  
88-89 1955.

(DYSENTERY, BACILLARY, diagnosis,  
feces exam.)

(FECES, in various diseases,  
dysentery, diag.value)

SLATAREV, P., inzh.; SAKALOV, K., inzh.

The UMPM-28 multispindle boring machine. Mashinostroene 12  
no.3:36-37 Br:63.



ZLATAREV, P., inzh.; RUSEV, P., inzh., BAKALOV, K., inzh.

The MFRM-5 multiple-spindle precision stretching machine.  
Mashinostroene 12 no.6:34-35 Je'63.

BAKALOV. L.

Installing cables. p.20.  
(Elektroenergiia Vol. 6, no. 6, June 1955, Sofiya)

SO: Monthly List of East European Accessions, (REAL). LC, Vol. 4, No. 11,  
Nov. 1955, Uncl.

*Р. Н. Н. Н. Н. Н.*

YUSHCHENKO, B.R., professor, doktor tekhnicheskikh nauk; MEYER, A.I., kandidat tekhnicheskikh nauk; MINULIN, I.I., kandidat tekhnicheskikh nauk; ZARNOVSKIY, A.I., kandidat tekhnicheskikh nauk; VILKOVICH, L.I., kandidat tekhnicheskikh nauk; KAZANOV, A.I., kandidat tekhnicheskikh nauk; SHAFIT, Ye.M., kandidat tekhnicheskikh nauk; YAGORSKIY, Ye.G., kandidat tekhnicheskikh nauk; S. S. S., kandidat tekhnicheskikh nauk.

Another volume of the Engineering Reference Encyclopedia on problems of operating railroads. Reviewed by B.R. Yushchenko and others. Zhel.dor.transp. 39 no.7:92-95 of 1977. (MIRA 10:2)  
(Railroads--Management)

BAKALOV, M.M., kand. tekhn. nauk dots.

Planning and organization of classification yard operations  
at increased train weights. Trudy DIIT no.28:34-52 '59.  
(MIRA 13:2)

(Railroads--Making up trains)

BUZANOV, S.P. prof., doktor tekhn.nauk; BAKALOV, M.M., kand.tekhn.nauk  
(Dnepropetrovsk)

Improvements in operating technology and layout of oreloading  
yards. Zhel.dor.transp. 41 no.6:41-44 Je '59.

(MIRA 12:9)

(Railroads--Yards) (Loading and unloading)  
(Ores--Transportation)

BAKALOV, M.M., kand. tekhn. nauk, dotsent

Determining the breaking off point of cuts in their sorting  
from a hump. Trudy DIIT no.43:136-162 '63.

(MIRA 17:11)

BAKALOV, N., prof., inzh.

Ocean depths, inexhaustible source of raw materials and energy. Prir  
i znanie 16 no.8:6-9 0 '63.

BAKALOV, P.

The organization and economic justification of artificial fertilization. p. 1.  
(Socijalisticko Zemjodelstvo, Vol. 8, no. 10, Oct. 1956. Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.



BAKALOV, P.

"Utilization of Petroleum", p. 11. (PRIRODA I ZNANIE, Vol. 6, no. 10, Dec. 1953, Sofiya, Bulgaria).

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 4, April 1954.

BAKALOV, P.

" Two New Excavations of Fossilized Elephants in the Soviet Union, and Excavations of the Same in Bulgaria," p. 10.  
(Priroda i Znanie, Vol.6, No.5, May 1953, Sofiya.)

East European Vol.2, No.9  
SO: Monthly List of Russian Accessions / Library of Congress, September 1953, Uncl.

BAKALOV, P.; FILKOV, L.

"Remains of reptiles from the Upper Cretaceous in northwest Bulgaria." (p.75) PRIRODA  
(Bulgaraska Akademiia Na Naukite) Sofiya Vol 3 No 1 Jan/Feb 1954

SO: East European Accessions List Vol 2 No 6 Aug 1954

BAKALOV, F.

"Pliocene Chalicotheridae from Southwest Bulgaria.".

p. 151 (Bulgaraka akademiia na naukite. Geologicheski institut. Izvestiia.  
Vol. 3, 1955, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 2  
February 1958

BAKALOV, P.

"Recollections of Professor Georgi N. Zlatarski."

p. 241 (Bulgarska akademiiâ na naukite. Geologicheski institut. Izvestiia.  
Vol. 3, 1955, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 2,  
February 1958

BAKALOV, P.

~~Geography & Geology~~

Bulgarska akademija na naukite. Geologicheski institut. IZVESTIJA.  
Sofia. Vol. 6, 1958.

Mastodon arvernensis, Croizet et Jobert, from the village of  
Posilkovtsi, Felene. p. 139.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No 2,  
February 1959, Unclass.

BAKALOV, P.

Presence of *Mastodon* (*Cheerolophodon*) *pentelici* Gaudry et  
Lartet in Southwestern Bulgaria. *Godishnik biol* 52 no.2:  
13-21 '57/'58 [publ. '59].

BAKALOV, P.

Importance of the age of earth strata for geology. Prir i znanie 15  
no.7:20-21 S '62.

PROF. PETUR NIKOLOV BAKALOV

OBITUARY. PRIR. I ZNANIE 17 no. 9:20-21



Prof. Patur Nikolov Bakalov; obituary. Prir i znanie 17 no.9:2 N 164. *Received* 1965

BAKALOV, S.A., kand. tekhn. nauk

Portable units for measuring temperatures under field conditions.  
Avt.dor. 22 no.2:22-23 F '59. (MIRA 12:2)  
(Thermometers)

BAKALOV, S.A.

PHASE I BOOK EXPLOITATION

SOV/4027,  
SOV/2-M-92

Leningrad. Glavnaya geofizicheskaya observatoriya

Teplovoy balans zemnoy poverkhnosti (Heat Balance of the Earth's Surface)  
Leningrad, Gidrometeoizdat, 1959. 134 p. (Series: Its: Trudy, vyp. 92)  
Errata slip inserted. 1,100 copies printed.

Sponsoring Agency: USSR. Sovet Ministrov. Glavnoye upravleniye gidrometeorologicheskoy sluzhby.

Ed. (Title page): M.I. Budyko, Doctor of Physics and Mathematics; Ed. (Inside book): T.V. Ushakova; Tech. Ed.: N.V. Volkov.

PURPOSE: This publication is intended for meteorologists, hydrologists, and geophysicists.

COVERAGE: This collection of articles presents climatological analyses of the heat and water balance of the earth's surface. An article on the radiation regime of the Arctic contains original maps showing the absorption of radiation

Card 1/3

Heat Balance of the Earth's Surface

SOV/4027

and the radiation balance in kcal/cm<sup>2</sup> per month and per year. The article on the heat balance of the North Atlantic area contains maps showing total radiation, radiation balance, expenditure of heat on evaporation, and turbulent heat exchange in kcal/cm<sup>2</sup> per month and per year. An article by Ying Tsung-chao discusses the results of a detailed study of the heat and water balance in China. The heat and moisture exchange conditions between the earth's surface and the atmosphere in the southern part of European USSR and the Arctic are discussed in a final article. References accompany each article.

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Card 2/3

Heat Balance of the Earth's Surface

SOV/4027

Sinitsyna, N.I. Dynamics of Productive Soil Moisture in the Southern Part  
of European USSR

127

AVAILABLE: Library of Congress

Card 3/3

JA/ana/gap  
7-26-60

BAKALOV, S. A.

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 14(10); 3(5)                                                                                                                                                                                                                                                                                                                                                                                                               | PHASE I BOOK EXPLOITATION                                                                                                                                                 | SOV/2843 |
| Sovetskaniye po razlional'nyy sposobam fundamentostroyeniya na<br>vechnomerzlykh gruntakh                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                           |          |
| Study... (Transactions of the Conference on Efficient Methods of<br>Building Foundations on Permafrost Soils) Moscow, Oostroyizdat,<br>1959. 131 p. Errata slip inserted. 1,200 copies printed.                                                                                                                                                                                                                            |                                                                                                                                                                           |          |
| Ed. of Publishing House: M. M. Borshchevskaya; Tech. Ed.: Ye. L.<br>Tektina.                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                           |          |
| PURPOSE: This book is intended for construction engineers, indus-<br>trial planners and builders.                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                           |          |
| COVERAGE: This book contains reports originally read in Vorkuta in<br>1958 on experience gained in planning and building foundations<br>in permafrost regions of the USSR. The reports were prepared<br>for publication in the NIIOIP (Scientific Research Institute<br>for the Study of Foundations and Underground Structures). The<br>introduction was written by Professor V. G. Bilychev. No<br>references are given. |                                                                                                                                                                           |          |
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1-18-60

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(5,17) PERM I BOOK EXPLORATION 3CV/2822

Materialy po izucheniym permotrovoysko sverkhzheleznykh po permotrovedeniyu. 7th, Moscow, 1956  
Materialy po izucheniym permotrovoysko sverkhzheleznykh po permotrovedeniyu (Materials on Engineering Aspects of Perm Frost), the 7th Interdepartmental Conference on Studies of Perm-  
frost) Moscow, Izd-vo AN USSR, 1959. 192 p. Errata slip inserted. 1,500  
copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Odeskenskiy geologo-geograficheskiy  
muzei. Institut permotrovedeniy.

Reels: I. Zh. Buzarov, E. A. Tyrtovich and A. M. Cherkovillo; Ed. of Publishing  
House: A. L. Muravitsky; Sec. Ed.: G. V. Mamai.

NOTE: This book is intended primarily for construction engineers and geologists  
interested in permafrost problems.

Coverage: This collection of articles contains reports originally discussed at  
the 7th Interdepartmental Conference on Permafrost held in Moscow in March,  
1956. Materials of this conference were published in three issues: general  
permafrost studies, engineering aspects of permafrost (present work,  
basic problems of planning, building, and operating various buildings and  
ground physics and mechanics). Individual articles of this work discuss  
various problems of permafrost regions. Some of the information reported, particu-  
larly on the engineering aspect of construction, has been included in the  
first time in the literature on permafrost. Articles are accompanied by  
abstracts.

|                                                                                                                                                                                                                                                    |          |
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| 1-5-59                                                                           |          |

STRUNIN, R.I.; BAKALOV, S.A.

Use of resistance thermometers for telemetering the temperatures  
of soil and of construction elements. Trudy Gos.inst. po proek.  
mor. por. i sudorem. pred. no.6:56-70 '59. (MIRA 14:3)  
(Thermometers) (Telemetering)(Soil temperature)



BAKALOV, S.A. (Vorkuta)

~~Anniversary meeting on frozen ground in Vorkuta.~~ Osn., fund. 1  
mekh. grun. 3 no.4:29 '61. (MIRA 14:8)  
(Frozen ground--Congresses)

PERMIST, P.

Change of permafrost conditions of a terrain and their prediction  
in construction work. (Vedy SOE no. 1078-82 188.

(MIRA 1401)

(Vorkuta region--Building)

(Frozen ground)

S/225/62/000/001/001/001  
1034/1234

AUTHOR: Bakalov, S. A.

TITLE: Seminar held in Yakutsk by permafrost specialists in the Russian Federation

PERIODICAL: Osnovaniya, fundamenty i mekhanika gruntov, no. 1, 1962, 30-31

TEXT: In August 1961, at a seminar in Yakutsk on building construction and design on permafrost grounds, representatives of 25 USSR towns heard 17 communications, following an address by — N. M. Kurek, corresponding member of ASiA, USSR, dep. chairman of GOSSTROY. The subjects were: Characteristics of construction and principles of structural design on permafrost grounds — by N. I. Saltykov, doctor of technical sciences, experience in construction of houses, heated industrial premises and roads in Noril'sk, — B. Ermilov, head of building directorate of Noril'sk: Development of the Yakutsk region and construction and structural design methods, — N. Bondarev, acting head of building and architectural directorate of the Soviet of Ministers, Yakutsk ASSR:

Rational designs and methods of founding — by P. Melnikov, director of the Institute for permafrost research, Siberian Department of the AS USSR.

Design and construction of pile foundations — by M. Kim, Head of the Noril'sk laboratory, Krasnoyarsk NII for building construction.

Card 1/3

Seminar held in Yakutsk by...

S/225/62/000/001/001/001  
I034/I234

Distinction between usual architectural planning solutions and those for the Far North — by Sh. Abkulatov, deputy director of scientific studies, Krasnoyarsk NII for building construction.

Rational designs for buildings and other structures based on experience gained in Noril'sk — by A. Kushnev, engineer of the design bureau, Noril'sk combine.

Solutions for the laying of engineering networks (in particular a sewage collector laid in tunnel) — by V. Poleshchuk, dep. head of design squad, Yakutsk SNKh.

The above-surface method of pipe laying used in Noril'sk was pointed out by the engineer Ashinkampft.

Recommended designs for foundations to residential and industrial buildings on permafrost grounds were discussed by G. Pavlov, chief engineer, LENAERPROYEKT project.

The gas supply project for Yakutsk was described by R. Afonina, chief engineer, GIPRONIGAZ project. of Kuibyshev.

Design of foundations for residential and industrial buildings, as practised in Magadan, were described by N. Nikolaev, engineer to the DAL'STROYPROYEKT.

The design of external and internal pipe conduits for sanitation purposes in the Magadan region was reported upon by E. Gustav, Engineer to the DAL'STROYPROYEKT.

Experience with road construction in the Yakutsk economic administrative region was related by N. Vasinskiy, engineer to the Directorate of road transportation economy, Yakutsk SNKh.

Card 2/3

Seminar held in Yakutsk by...

S/225/62/000/001/001/001  
1034/1234

The employment of electricity in heating and household uses was reported upon by K. Velikiy, engineer to the NII on building construction, Krasnoyarsk.

Basic requirements underlying instructions for the use of buildings and other structures built by the method of retaining the frozen state of the ground were outlined by Yu. Goncharov, collaborator of the NII on building construction, Krasnoyarsk

In the ensuing discussions, the following took part: Murav'ev (Leningrad branch, ASiA), Orlov (NII on building construction, Krasnoyarsk), Goldtman (VNII-1, Magadan), Tomirdiaro (Joint institute of the Siberian department of the SA USSR, Magadan), Bozhenkov (Vorkutinsk design and research bureau), Myasnikov (TsVETMATPROYEKT), Pazakov (SOYuDORII), Kuris (road directorate), Torgulyan (Academy of communal economy), Teterina (building organizations of Yakutsk), Sukhanov (Chief Architect of Yakutsk).

In winding up, S. Z. Borisov, first secretary of the Yakutsk OBKOM KPSS, recommended more daring in utilization of the properties of frozen ground in the national economy, including underground stores and cold storages, dams built of frozen soil and ice, wider utilization of ground water found below the frozen strata, studies to ensure the access of warm and moist air masses from the Okhotsk sea.

Exhibitions relating to the winning of the Soviet North were organized, and a consultative conference was held with local specialists.

Card 3/3

BAKALOV, S.A.

Construction methods in the Vorkuta area. Trudy SOIM no.2:27-32 '62.  
(MIRA 17:1)

BAKALOV, S.A. (Leningrad)

Conference of permafrost specialists of the Russian Federation  
in Yakutsk. Osn., fund.i mekh.grun. 4 no.1:30-31 '62.

(MIRA 16:2)

(Frozen ground—Congresses)

BAKALOV, S.A.; BELOUSOV, V.P.; BRATSEV, L.A.; VODOLAZKIN, V.M.;  
YEROSHENKO, V.N.; ZHUKOV, V.F.; LUBAN, S.A.; MARKIZOV, L.P.;  
NADEZHGIN, A.V.; NOVIKOV, F.Ya.; PONOMAREV, V.D.; POTRASHKOV,  
G.D.; ROZHDESTVENSKIY, S.I.; TROFIMOV, S.V.; FEL'DMAN, I.R.;  
FOYGEL', D.O.; KHRUSTALEV, L.N.; CHURUKSAYEV, I.I.;  
KONDRAT'YEVA, V.I., red.

[Theory and practice in the study of frozen ground in construc-  
tion] Teoriia i praktika merzlotovedeniia v stroitel'stve. Mo-  
skva, Nauka, 1965. 187 p. (MIRA 18:4)

1. Moscow. Nauchno-issledovatel'skiy institut osnovaniy i pod-  
zemnykh sooruzheniy. Severnoye otdeleniye.



BAKAIOV, S.A. (Leningrad)

Practices in building on permafrost soils in Vorkuta. Osn., fund.  
i mekh. grun. 6 no.5:17-19 '64.

(MIRA 17:12)

BAKALOV, S.A. (Leningrad)

Conference and seminar for the exchange of experiences in building  
on permanently frozen ground. Osn., fund. i mekh. grun. 6 [i.e.7]  
no.2:30-31 '65. (MIRA 18:8)

BAKALOV, T.

Radio Crystal Microphones. Radio (Radio), #7:34:Jul 54

BAKALOV, V.

BAKALOV, V. Organization of locomotive repair in the repair shops of the German Democratic Republic. p. 73. Vol. 8, no. 6, 1956. TRANSPORTNO DELO. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

BAKALOV, V

"Defects in injectors, methods for discovering and eliminating them."

TRANSPORTNO DELO, Sofia, Bulgaria, Vol 11, no. 4, 1959

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59  
Unclass

BAKALOV, Vasil, inzh.

Locomotives of Bulgarian railroads. Zhel.dor.transp. 42 no.9:  
17-20 S '60. (MIRA 13:9)

1. Nachal'nik lokomotivnogo otdela Upravleniya zheleznykh dorog  
Narodnoy Respubliki Bolgarii.  
(Bulgaria--Locomotives)

BAKALOV, Vasil, inzh.; MARINOV, Ivan, inzh.

Ways of increasing the average twenty-four-hour run of locomotives.  
Transp delo' 6 no.9/10:17-25 '54.

1. Zamestnik nachalnik pri upravlenie Lokomotivno stopanstvo  
(for Bakalov). 2. Glaven inzhener pri depo Gorna Oriakhovitsa.

STOIKOV, M., st. asistent; BAKALOVA, D., klin. ordinator.

Treatment of hypertension with prolonged medicinal sleep.  
Nauch. tr. ISUL, Sofia 2 no.1:211-220 1953.

1. Klinika po vutreshni bolesti sus surdechno-sudovi  
zaboliavania. Direktor: dots. V. Tsonchev.

(HYPERTENSION; therapy,  
sleep ther.)

(SLEEP, therapeutic use,  
hypertension.)



BAKALOVA, L.; KOLAROV, St.; NIN'O, Sh.

Characteristics of Botkin's disease in infants. Suvrem. med., Sofia  
5 no.7:33-43 1954.

1. Iz Klinikata po detски bolesti pri Med. akademiia V.Chervenkov  
(sav. katedrata prof. L.Rachev)  
(HEPATITIS, INFECTIOUS, in infant and child.)

BAKALOVA, L.

Bulgaria

Higher Medical Institute, Department of Children's  
Diseases (VMI-Katedra po detski bolesti), Sofia;  
Director: L. Rachev, Prof.

Sofia, Pediatrica, No 1, 1966, pp 87-96.

"Staphylococcal Septicemia in Older Children."

Co-authors:

STOYANOVA, L.  
ESKINAZI, F.

BAKALOVA, L.; BASHEVA-STANEVA, L.; NIN'0, Sh.

Considerations on distribution of rickets in certain villages of the Mikhailovgrad region and certain conditioning factors. Suvrem. med., Sofia 5 no.11:26-28 1954.

1. Iz klinika po detski bolesti pri Meditsinskata akademiia V. Chervenkov (zav. katedrata: prof. L. Rachev)

(RICKETS, epidemiology,

in rural areas in Bulgaria)

(RURAL CONDITIONED,

rickets in child. in rural areas in Bulgaria)

BAKALOVA, L., d-r, dotsent; BASHEVA-STANEVA, L., d-r

Influenza in children with tuberculosis. Probl. tub. 40 no.4:  
56-60 '62. (MIRA 15:6)

1. Iz kafedry pediatrii (zav. - prof. d-r L. Rachev) Vysshogo  
meditsinskogo instituta, Sofiya.

(INFLUENZA) (TUBERCULOSIS)

BAKALOVA, L.; BRATANOV, Br.; SEPETLIEV, D.; KEREKOVSKI, Iv.; KOLCHEV,  
Khr.; CHOBANOVA, St.

Studies of the nutrition of children in the Pleven District.  
Pts. 1-2. Izv Inst khranene BAN 3:211-226 '64.

KUNIN, L.L.; RUTES, V.S.; CHIGRINOV, M.G.; BAKALOVA, L.M.

Interaction between protective atmospheres and liquid metal in  
ingot molds for continuous casting. Stal' 25 no.12:1088-1089  
D '65. (MIRA 18:12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy  
metallurgii imeni I.P. Bardina.

BAKALOVA, S.

BASHEVA, L.; BAKALOVA, S., studentka; STOIANOVA, A., studentka;  
DISHLIEVA, N., studentka; ALEKSIEVA, T., studentka.

Recurrent of rheumatism in children and role of external  
factors. Suvrem. med., Sofia 7 no.11:76-78 1956.

1. Iz nauchnii studentski kruzhek pri Katedrata po detski  
bolesti pri VMI - Sofia (Zav. katedrata Prof. L. Rachev)  
nauchni rukovoditeli: L. Basheva i T. Ianeva.

(RHEUMATISM, in infant and child,  
recur., eff. of external factors (Bul))

BAKALOVA, Tsena, inzh.

New shape sewing machines. Tekstilna prom 13 no.6:43-46 '64.



BAKALOVA, Tsena, inzh.

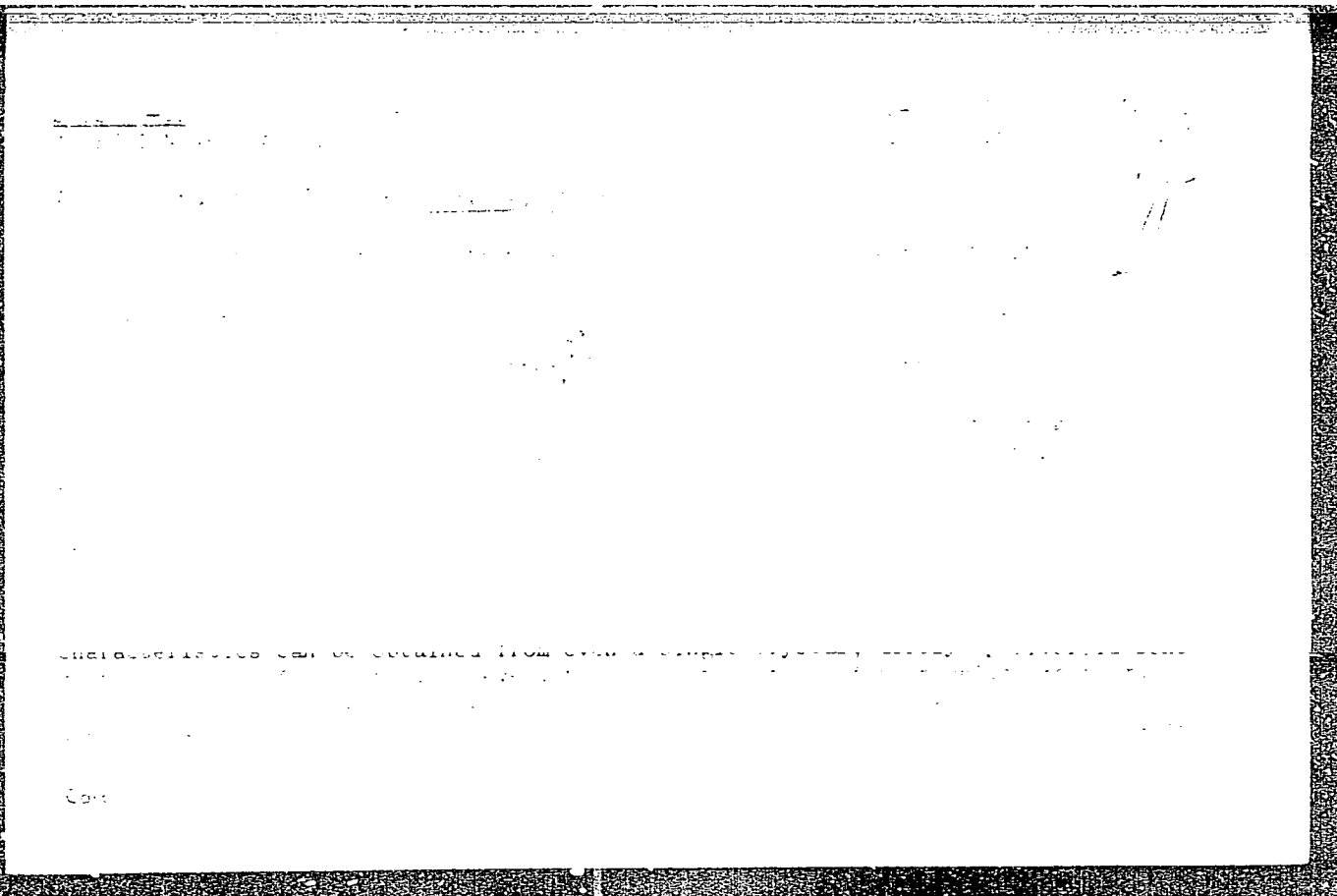
From dressmaking enterprises in East Germany. Tekstil prom  
13 no. 3:37-38 '64.

BAKALOVA, V.; BENEVSKI, M.; VANGELOV, A.

Soils at the Experiment Station for Southern Crops of the town of Sandanski. Izv Inst "Nikola Pushkarov" no.2:159-196 '62.

GEORGIEV, A.; BAKALOVA, V.

Studies on the soils in the Strandzhan-Dervent region with a view to increase the fund of arable land. Izv Inst "Nikola Pushkarov" no.3:59-77 '62.



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A 1000000 100 1000000

Card

L 34750-66 FSS-2/EEC(k)-2/T-2/EWP(+)/ETI LJP(c) JD/WH/TT/GG/AT  
ACC NR: AP6026269 SOURCE CODE: BU/0011/65/018/007/0611/0613

AUTHOR: Kassabov, I.; Bakalska, S.

ORG: Institute of Physics, BAN

TITLE: Phosphorus diffusion during solar silicon cell production

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 7, 1965, 611-613

TOPIC TAGS: solar cell, silicon single crystal, phosphorus, sublimation, physical diffusion

ABSTRACT: The known methods for silicon solar cell production by phosphorus diffusion are still quite complex and unsuitable for industrial purposes (see, e.g., J. Mandelkorn et al., J. Electrochem. Soc., 109, 1962, No 4; I. M. Mackintosh, Ibid., 109, 1962, No 5). The present paper offers a new phosphorus diffusion method which produces highly efficient solar battery elements without requiring special and expensive apparatus or auxiliary materials. It can be also easily adapted to mass production (I. Kassabov, S. Bakalska, Author's certificate No 10759 from 6. 12. 1963, People's Republic of Bulgaria). A  $P_2O_5$  layer is deposited on silicon wafers at a relatively low temperature. Subsequent phosphorus diffusion is achieved at high temperature in an open furnace directly in the air. The  $P_2O_5$  layers are deposited by sublimation onto the silicon wafers' quartz tube containers. Solar cells thus obtained have an

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efficiency of more than 12%. They are made from single crystal silicon with a resistivity of about 2 Ohm/cm at a diffusion temperature of 1000 °C over a 10 minute period. This paper was presented by Academician G. Nadjakov on 16 March 1965. Orig. art. has: 3 tables. [Orig. art. in Eng.] [JPRS: 33,545]

SUB CODE: 10, 14 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 002  
OTH REF: 004

Card 2/2 ULR

BAKAISKA, V.

~~Problem of automatic movements of the hand. Izv. med. inst., Sofia~~  
8:187-198 1953. (CML 25:5)



BAKALSKA, V.

Influence of the time interval between 2 consecutive stimuli on the choice reaction time. II. Influence of the relative frequency of the signal to response. Izv. inst. fiziol. 5:187-194 '62.

(REACTION TIME)

STOMONIAKOV, V.; BAKALSKA, V.

Apparatus for automatic light and sound signals. Izv. inst. fiziol.  
5:195-199 '62.

(PHYSIOLOGY equip & supply)

BAKALSKA, V.

Effect of the lag between 2 consecutive stimuli on the reaction time. III. Relation of the reaction time to the actual amount of information. Izv. inst. fiziol. (Sofia) 6:85-98 '63.

(REACTION TIME)

BAKALSKA, V.; ANGELOV, A.

Effect of the lag between 2 consecutive stimuli on the reaction time. IV. Effect of brief preliminary periods. Izv. inst. fiziol. (Sofia) 6:99-107 '63.

(REACTION TIME)

BAKALSKA, V.; ANGELOV, A.

Effect of the relative stimulus frequency on the reaction  
time. Izv. inst. fiziol. (Sofia) 6:109-114 '63.

(REACTION TIME)

BAKALSKA, V.

Effects of time-interval between two consecutive stimuli  
on reaction time. Doklady BAN 16 no.2:209-212 '63.

1. Submitted by Academician D. Orahovats [Orakhovats, D.]

BAKALSKA, V.; ANGELOV, A.; VASILEV, A.

Effect of the relative frequency of signals on the reaction time.  
II. Izv. Inst. fiziol. (Sofia) 7:57-64 '64.

BAKALSKA, V.; VASILEV, A.; STOMENIAKOV, V.

Effect of the probability distribution of signals on the reaction time. Izv. inst. fiziol. (Sofia) 8:247-258 '64



BAKALSKA, V.; ANGELOV, A.

Effect of equi-non-equiprobability distributed fore-periods on  
the reaction time. Izv. inst. fiziol. (Sofia) 8:259-270 '64

BAKALSKA, V.

Effect of the interval between 2 consecutive signals on the reaction time under choice conditions. V. Izv. Inst. fiziol. (Sofia) 7:49-55 '64.

Country : Poland  
Category :

H-13

Ass. Jour. :

46663

Author : Bakalus, J.

Institut. :

Title : Technology of Production of Ash-Concrete.

Orig. Pub. : Mater. budowl., 1958, 13, No 9, 269-272

Abstract : For the production of light concrete can be utilized light ash that meets the following specifications: content of residual coal particles  $\leq 8\%$ , uniform chemical composition,  $SO_3$ -content  $\leq 2\%$ , content of sulfide sulfur  $\leq 0.4\%$ . Sample composition of light concrete (volume weight 700 kg/m<sup>3</sup>): 800 kg ash; 200 kg calcined lime containing 88% CaO; 40 kg gypsum; 450 g aluminum powder, and 550-600 liters of water. Correct ratio of the two last named components ensures uniform hardening of concrete mix. Articles made of ash-concrete acquire maximum strength after steaming at 100-108° for 18-24 hours. -- B. Levman.

Card:

BAKALUS, Jozef (Krakow)

Fire resistant concretes made from portland cement.  
Przepl budowl i bud mieszk 33 no.9:562-563 S '61.

ARUTYUNOV, A.B.; BAKALYAN, P.A.

Determination of iron in certain food products, wines, and mineral water with the aid of complexon (trilone B). Zhur. ob.biol. 20 no.2:84-87 Mr-Ap '59. (MIRA 12:5)

1. Iz kafedry gigiyeny pitaniya (zav.kafedroy - dots. A.B. Arutyunov) Yerevanskogo gosudarstvennogo meditsinskogo instituta.

(CHELATING AGENTS,

(ethylenedinitrolo) tetraacetic acid, determ. of iron in food, mineral water & wine..

(IRON, determ. same)

(FOOD,

determ. of iron with (ethylenedinitrilo) tetraacetic acid (Rus))

(MINERAL WATER, same)

ARUTYUNOV, G.K., inzh.; BAKALYAR, M.S., inzh.

New type of immersion thermocouples. Stal' 23 no. 3:225 Mr '64.  
(MIRA 17:5)

1. Tbilisskiy nauchno-issledovatel'skiy institut priborostroyeniya  
i sredstv avtomatizatsii.



ACCESSION NR: AR4041594

S/0137/64/000/005/D038/D039

SOURCE: Ref. zh. Metallurgiya, Abs. 5D226

AUTHOR: Zholudev, M. D.; Kisilevich, V. O.; Bakalyuk, Ya. Kh.

TITLE: Production of thin-walled pipes of galvanoplastics

CITED SOURCE: Sb. Proiz-vo trub. Vy\*p. 10. M., Metallurgizdat, 1963, 101-105

TOPIC TAGS: thin walled pipe, galvanoplastic, pipe production

TRANSLATION: Possibility was studied of obtaining (by method of galvanoplastics) special thin-walled pipes (with thickness of wall  $< 0.1$  mm) from Cu, Ni, and also alloy of type 18-8. Two variants of constructions of installations for galvanoplastic manufacture of pipes were tested. On first variant it was proposed to increase metal on mandrel of finite length, and then for equal intervals of time to pull pipe from mandrel for several centimeters and on liberated part of it again to

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ACCESSION NR: AR4041594

increase metal. It was suggested to remove wave-like thickening in places of joining of pipe by hot drawing. Such a variant, tested on Cu pipes, did not give positive result. On section of joining there occurred break of pipe. All subsequent experiments were conducted on installation which consisted of passage bath, mandrel, and drive for rotation of pipe. Mandrel was passed through rubber packings and was braced in bushing of drive. Grinding of deposit in process of electrodeposition was done with help of granite or textolite bars. Different metals and alloys (Ti, stainless steel 1Kh18N9T and others) were tested as material for mandrels. The best in quality were pipes obtained on mandrels of stainless steel. On installation were obtained Cu pipes with diameter of 10 - 20 mm 250 mm in length with minimum thickness of wall of 10  $\mu$ . Results of investigation of quality of obtained pipes are such: pipes with thickness of wall below 25  $\mu$  have significant porosity, and with thickness of wall of 25  $\mu$  and above are nonporous and sustain hydraulic tests with water pressure of 1 atmosphere. In preliminary experiments nonporous Ni pipes couldn't be obtained. Influence on porosity of Ni pipes of such factors as cleanness of treatment of mandrels, conditions of electrolysis (density of current, temperature of electrolyte, speed of rotation of mandrels), and thickness of deposit were investigated. In experi-

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periments conducted for the purpose of establishment of the possibility of obtaining special thin-walled pipes of alloy of type 18-8, in all tested electrolytes we could not make the layer of precipitated alloy greater than  $6 \mu$ . All obtained deposits were stressed with small yield on current. Only with use of electrolyte of composition 290 g/l of  $\text{Cr}_2 \cdot (\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$ , 39 g/l  $(\text{NH}_4)_2\text{SO}_4 \cdot \text{FeSO}_4 \cdot 6\text{H}_2\text{O}$ , 70 g/l  $\text{NiSO}_4 \cdot 7\text{H}_2\text{O}$ , 100 g/l  $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$  and 50 g/l of Na citrate trisubstituted at acidity 1.6, the thickness of metal precipitated on mandrel exceeded  $10 \mu$ . Deposits with this thickness were nonporous, little stressed, but with thickness of  $15 \mu$  their internal stresses sharply increased and they spontaneously cracked. Bibliography: 16 references.

SUB CODE: MM, IE

ENCL: 00

Card 3/3

BAKALYUK, Ya. Kh.; GONCHAREVSKIY, M.S.; LAVRENKO, N.A.

Aluminum coating of steel pipes. Bul. tekhn.-ekon. inform. Gos.  
nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 12:5-7 D 165  
(MIRA 19:1)

BAKALYUK, Ya.Kh.

Improving the technology of aluminizing steel products. Zashch.  
met. i no.3:319-324 My-Ja '65. (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut trubnoy  
promyshlennosti.

ZHOLUDEV, M.D., kand. tekhn. nauk; KISILEVICH, V.O., inzh.; BAKALYUK, Ya.Kh.,  
inzh.; Primala uchastiye OKHRAMOVICH, L.N., inzh.

Production of thin-walled pipe made by galvanoplasty. Proizv.  
trub no.10:101-105 '63. (MIRA 17:10)

I 21945-66 EWI(m)/EWP(t) IJP(c) JD/WB

ACC NR: AP6014641 (A)

SOURCE CODE: UR/0193/65/000/012/0005/0007

AUTHOR: Bakalyuk, Ya. Kh.

ORG: none

TITLE: Aluminizing steel pipes

SOURCE: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 12, 1965, 5-7

TOPIC TAGS: pipe, carbon steel, aluminum plating, molten metal, corrosion resistance, metal coating, arc welding

ABSTRACT: Thanks to their resistance to heat and corrosion, aluminum coatings are used for protecting carbon steel equipment from atmospheric and high temperature corrosion; hardware used in gas generators and furnaces, heat exchanger plumbing in chemical, petroleum refining and other branches of industry, exhaust pipes in diesel engines, thermocouple jackets, air conditioning units, tape, wire, petroleum cracking pipes, boiler tubes, etc. Steel pipes are aluminized by momentary immersion in a tank of molten aluminum at 680-720°C. Aluminizing equipment has been installed in the plating department of the Nikopol' Yuzhnotrubnyy Plant which is now turning out aluminized carbon steel pipes from 20 to 108 mm in diameter and up to 4 meters long. The

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UDC: 669.718: 621.643.23

L 21945-66

ACC NR: AP6014641

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methods and equipment for aluminizing pipes were developed by the All-Union Scientific Research and Engineering Design for the Pipe Industry. Aluminum coatings are being applied to seamless hot-rolled pipes (GOST 8732-58) and to seamless cold-rolled and cold-drawn pipes (GOST 8734-58) made from carbon steel (St. 10 and 20). Gas and electric-arc welding and flange joints may be used for connecting aluminized pipes. The sequence followed in aluminizing the pipes is: degrease, wash, etch, wash, brighten, wash, passivate, wash, dry and aluminize. The plating is done in an electrically heated vertical cylindrical steel tank lined with a graphite shells. A thin layer of 50-50 NaCl-KCl flux covers the surface of the aluminizing bath to prevent oxidation. The flux is skimmed off before putting the pipes in and before taking them out. The thickness of the aluminum coating should be no less than 100  $\mu$  as determined by metallography. The plant is presently operating the aluminizing equipment far in excess of its rated capacity. Aluminum plating of pipes results in a savings of 45,000 rubles per year. / Orig. art. has: 1 figure. [JPRS]

SUB CODE: 13, 11 / SUBM DATE: none

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L 02367-67 EWT(m)/EWP(t)/ETI IJP(c) JD/HW/WB

ACC NR AP6031945

SOURCE CODE: UR/0080/66/039/009/1956/1959

AUTHOR: Kadaner, L. I.; Masik, A. Kh.; Peregudov, F. M.; Bakalyuk, Ya. Kh. 49  
B

ORG: none

TITLE: Increasing the adhesion strength of metal coatings by [base metal] passivation 16 16

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 9, 1966, 1956-1959

TOPIC TAGS: steel passivation, copper ~~coating~~, nickel ~~coating~~, iron ~~coating~~,  
aluminum ~~coating~~, ~~coating~~ adhesion strength, ~~passivated steel coating~~ METAL  
COATING, ELECTROLYTIC DEPOSITION

ABSTRACT: The effect of passivation of the steel base on the adhesion strength of copper, nickel, iron and aluminum coatings deposited by electrolysis or by hot dipping has been investigated. Steel specimens were passivated in concentrated nitric acid at 4-8C or in an aqueous solution containing (g/l) NaOH-150, Na NO<sub>2</sub>- 300, Fe<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub> · 9H<sub>2</sub>O - 5 at 106-114C for 8-12 sec. Copper coatings, deposited on steel passivated in nitric acid, had a high adhesion strength. The average value of the separation work was  $1.73 \cdot 10^6$  erg/cm<sup>2</sup> compared with  $0.63 \cdot 10^6$  erg/cm<sup>2</sup> for coatings deposited on nonpassivated specimens. The corresponding values for nickel coating on steel were  $5.01 \cdot 10^6$  erg/cm<sup>2</sup> and  $2.49 \cdot 10^6$ . The separation of electrolytically deposited iron coatings occurred, as a rule, at the boundary between the base metal and the coating. Anodic passivation of steel in 30% sulfuric acid solution for 2 min slightly increased

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UDC: 621.357

Card 2/2

vmb



BAKANCHIKOVA, T.I.

Phage typing of scleroma cultures and the specificity of schleroma  
bacteriophages. Zhur. mikrobiol., epid. i immun. 42 no.11:19-23  
N '65. (MIRA 18:12)

1. Belorusskiy universitet imeni V.I. Lenina. Submitted Febr.4,  
1965.

BAKANCOVA, Z.

2

CZECHOSLOVAKIA

BAKANCOVA, Z.; CUVALOVA, M.

1. Health-Hygiene Ward No. 15 (Zdravotnicko-hygienicke oddeleni c. 15), Moscow; 2. Laboratory of Botkin Hospital (Laborator Botkinovy nemocnice), Moscow

Brno, Vnitřní lékařství, No 5, 1963, pp 465-471

"The Treatment of Rheumatic and Infectious Polyarthritide with Polyvalent Vaccine."

TUMANOV, G.V., podpolkovnik meditsinskoy sluzhby; KATERINICH, N.T.,  
podpolkovnik meditsinskoy sluzhby, kand.med.nauk; BAKANIDZE, I.G.,  
podpolkovnik meditsinskoy sluzhby; SOBOLEV, Ye.I., podpolkovnik  
meditsinskoy sluzhby; LOMTEVA, ye.V.

Treatment of acute radiation sickness with homoplastic bone  
marrow. Voen-med.zhur. no.9:21-22 S '61. (MIRA 15:10)  
(RADIATION SICKNESS) (MARROW—TRANSPLANTATION)

BAKANIDZE, K.F.

Use of motors with dropping characteristics in electric traction.  
Trudy GPI no.5:3-8 '63. (MIRA 17:9)